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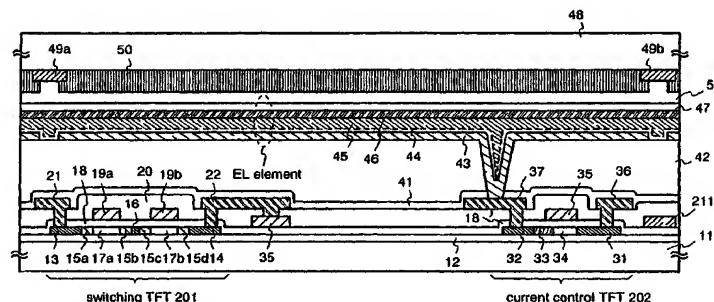
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(54) EI display device and method for manufacturing the same

(57) Plurality of pixels (102) are arranged on the substrate. Each of the pixels (102) is provided with an EL element which utilizes as a cathode a pixel electrode (105) connected to a current control TFT (104). On a counter substrate (110), a light shielding film (112) is disposed at the position corresponding to periphery of each pixel (102), while a color filter (113) is disposed at the position corresponding to each of the pixels (102). This

light shielding film makes the contour of the pixels clear, resulting in an image display with high definition. In addition, it is possible to fabricate the EL display device of the present invention with most of an existing manufacturing line for liquid crystal display devices. Thus, an amount of equipment investment can be significantly reduced, thereby resulting in a reduction in the total manufacturing cost.



11:substrate 12:base film 13:source region 14:drain region 15a-15d:LDD regions
16:high concentration impurities region 17a,17b:channel forming regions 18:gate insulating film
19a,19b:gate electrodes 20:first interlayer insulating film 21:source wiring 22:drain wiring
23:gate electrode 31:source region 32:drain region 33:LDD region 34:channel forming region
35:gate electrode 36:source wiring 37:drain electrode 41:first passivation film
42:second interlayer insulating film 43:pixel electrode 44:alkaline compound 45:EL layer
46:anode 47:second passivation film 48:counter substrate 49a,49b:light shielding films
50:color filter 51:closed space

Fig.2



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<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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